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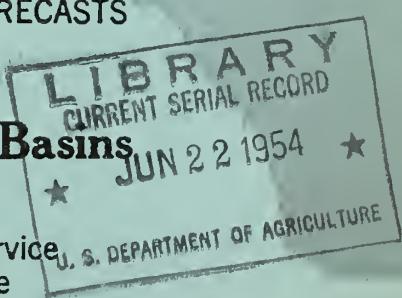


FEDERAL - STATE COOPERATIVE
SNOW SURVEYS AND IRRIGATION WATER FORECASTS

for

Platte and Arkansas Drainage Basins

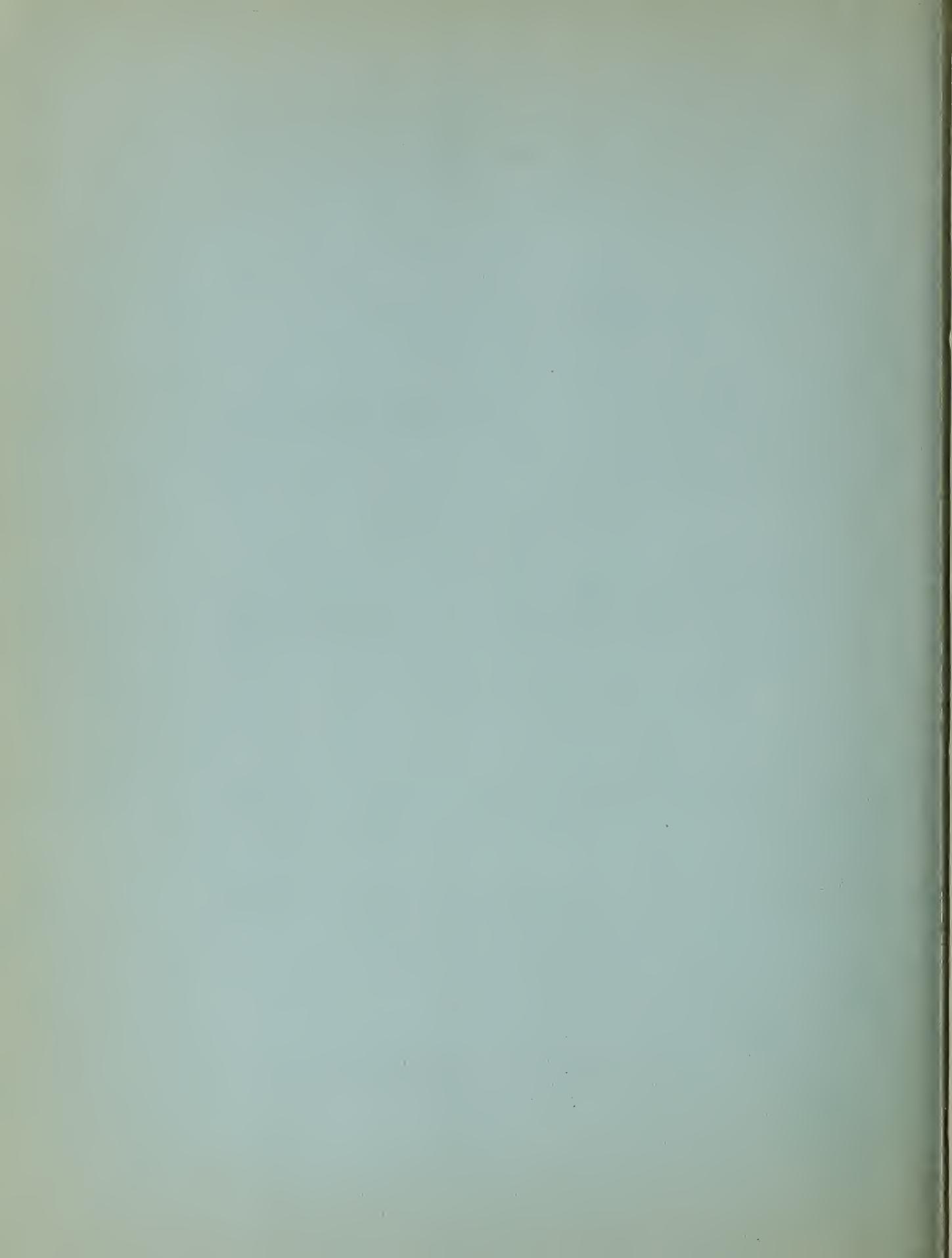
By
Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
and
Colorado Agricultural Experiment Station



Data included in this report were obtained by the agencies named above in cooperation with the U. S. Forest Service, National Park Service, State Engineers of Colorado, Wyoming and New Mexico and other Federal, State and local organizations.

As of

MAY 1, 1952



FEDERAL-STATE COOPERATIVE
SNOW SURVEYS AND IRRIGATION
WATER SUPPLY FORECASTS

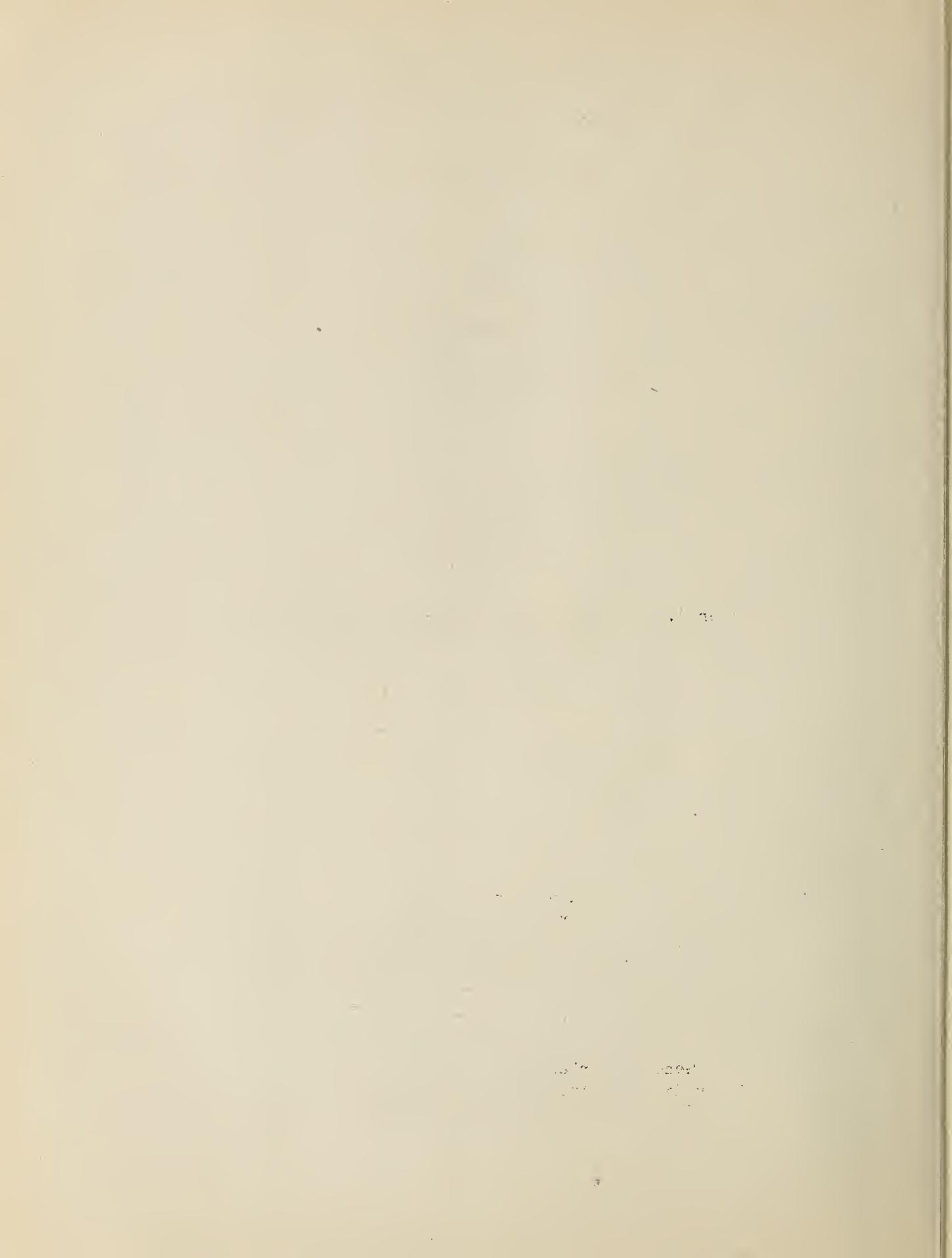
FOR
PLATTE-ARKANSAS BASINS

MAY 1, 1952

Report Prepared
by
Homer J. Stockwell, Irrigation engineer

Division of Irrigation
Soil Conservation Service
Colorado Experiment Station
Fort Collins, Colorado

General Series Paper No. 520
Colorado Agricultural Experiment Station



WATER SUPPLY OUTLOOK
PLATTE-ARKANSAS DRAINAGE BASIN
May 1, 1952

The seasonal snow accumulation on the Platte and Arkansas drainages equals or exceeds any previous record since snow surveys were started in 1936. The summer runoff of most of the tributary streams will be very high. With normal precipitation during the snow melt season the 1952 summer runoff should equal or exceed that of any recent year. Storage in irrigation reservoirs in the North and South Platte is much above average with many small reservoirs at or near capacity. Soil moisture conditions are good in the South Platte and Upper North Platte watersheds and fair to poor on the North Platte valley in eastern Wyoming and western Nebraska and on the Arkansas. Current stream flow is generally above normal.

CHEYENNE RIVER

Winter snow accumulation in the Black Hills district of South Dakota was much above normal during the winter months. Reservoir storage is reported to be adequate for irrigation purposes. However, precipitation has been deficient in recent weeks. Soil moisture conditions are described as fair to poor.

NORTH PLATTE RIVER

Snow water content on the Sweetwater River watershed on the Washakie mountains west of Lander is well above normal. The snow melt season runoff of this stream is expected to be over average. There is no snow below the 7500 foot elevation. Snow water content measured at practically all courses is at a record high for this date, particularly along the Continental Divide section in Wyoming and all over the Colorado sections of the watershed of the North Platte. Snow melt from the lower elevations in North Park and similar elevations in Wyoming was at a high rate during April. Stream flow during the past month was two to three times normal. It is certain that the North Platte reservoir system will spill this year since the expected runoff of the North Platte and other tributary streams for the April-September 1952 period will be about twice the available storage capacity. Storage in the four major reservoirs on the North Platte in Wyoming is now about 1,850,000 acre feet which is the highest of record. Soil moisture conditions are good in the Upper valley but fair to poor in irrigated areas of eastern Wyoming and western Nebraska.

On the Laramie River the 1952 snow melt season runoff will be above normal and about the same as the 1951 season. Snow cover in the Laramie peaks area is probably above normal for this date. The flow of the Laramie River was much above normal during April. Soil moisture conditions in the Wheatland district are described as dry.

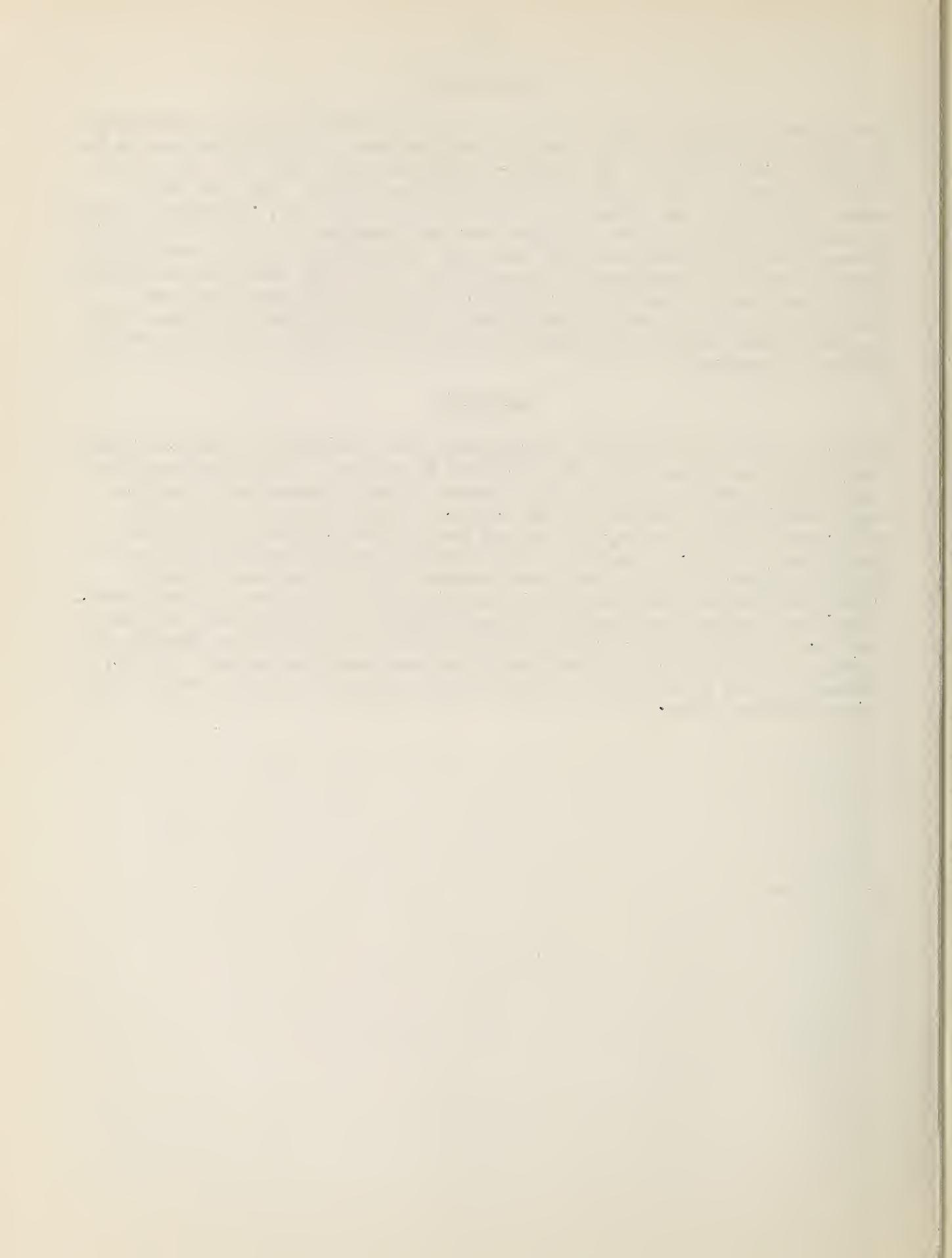


SOUTH PLATTE

The irrigation water supply outlook for the South Platte and its tributaries is well above normal. Snow cover in mountain areas is about the same as for the 1951 season but the soil moisture conditions under the snow in the mountains was much better in the fall of 1951 than in 1950. The snow melt season runoff will be higher for 1952 than for a year ago. Reservoir storage is well above last year and the past ten-year average. Most of the irrigation storage reservoirs are at or near capacity particularly in the lower South Platte district. Considerable loss of water out of the state may be expected during the peak of the snow melt season. Soil moisture conditions are reported as good in irrigated districts throughout the basin. Stream flow is about normal near the mountains and much above normal at Fort Morgan and farther downstream.

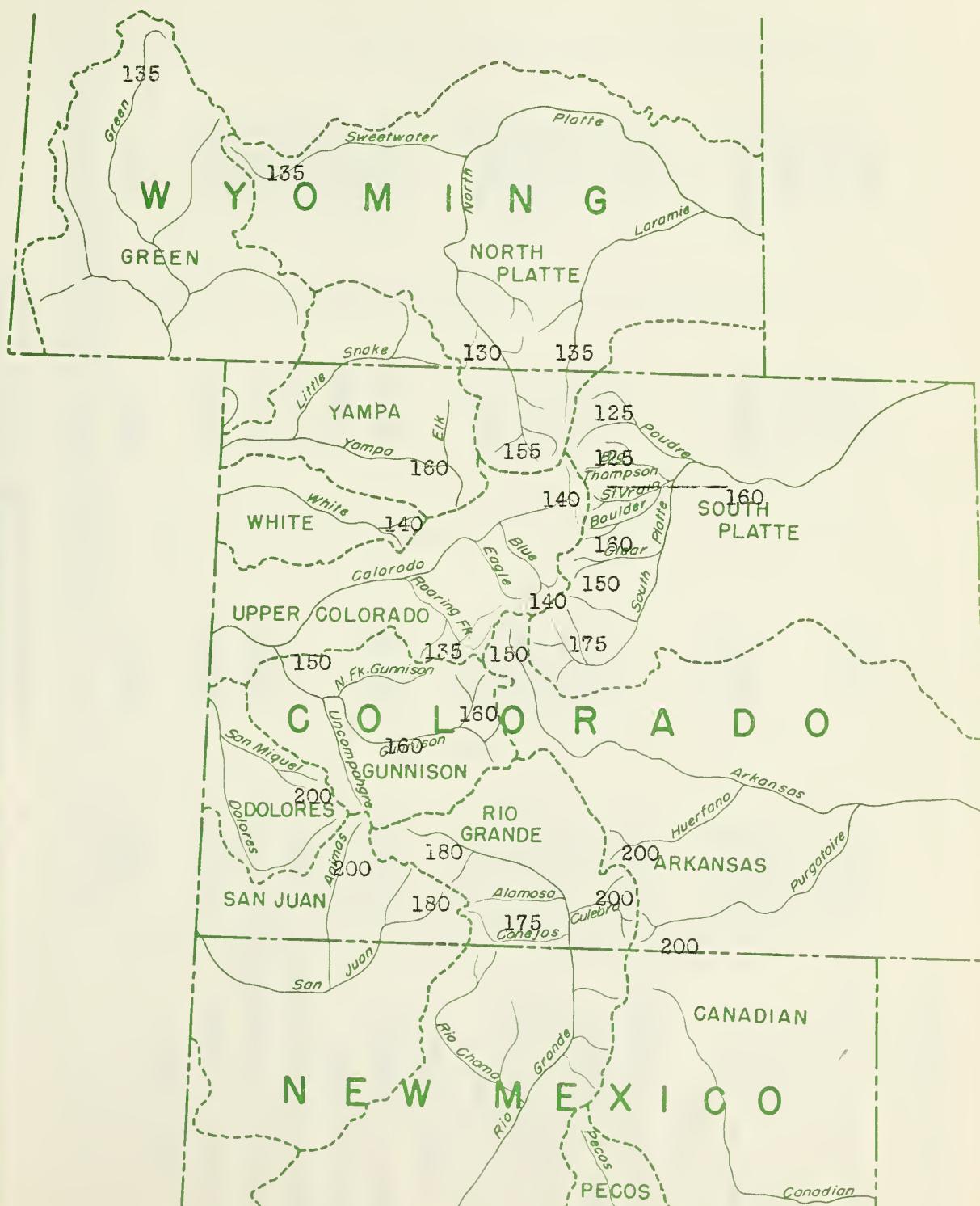
ARKANSAS

Seasonal snow accumulation on the Arkansas River drainage has been very high both on the main stem and on the southern tributaries. Although there was considerable decline in snow water content on most courses during April, May 1 measurements were well above normal. Summer stream flow at Salida and Pueblo will be the highest for any year since 1942 when rain flood conditions occurred. The flow of the southern tributaries will not be as high as indicated by the snow cover because it did not extend to lower elevations and fall soil moisture at mountain elevations was very deficient. Reservoir storage is generally well below last year and the past ten year average. Precipitation at valley elevations has been deficient during the winter months and soil moisture conditions are described as fair to poor. Stream flow was below normal for April but increased to above normal in the first few days of May.

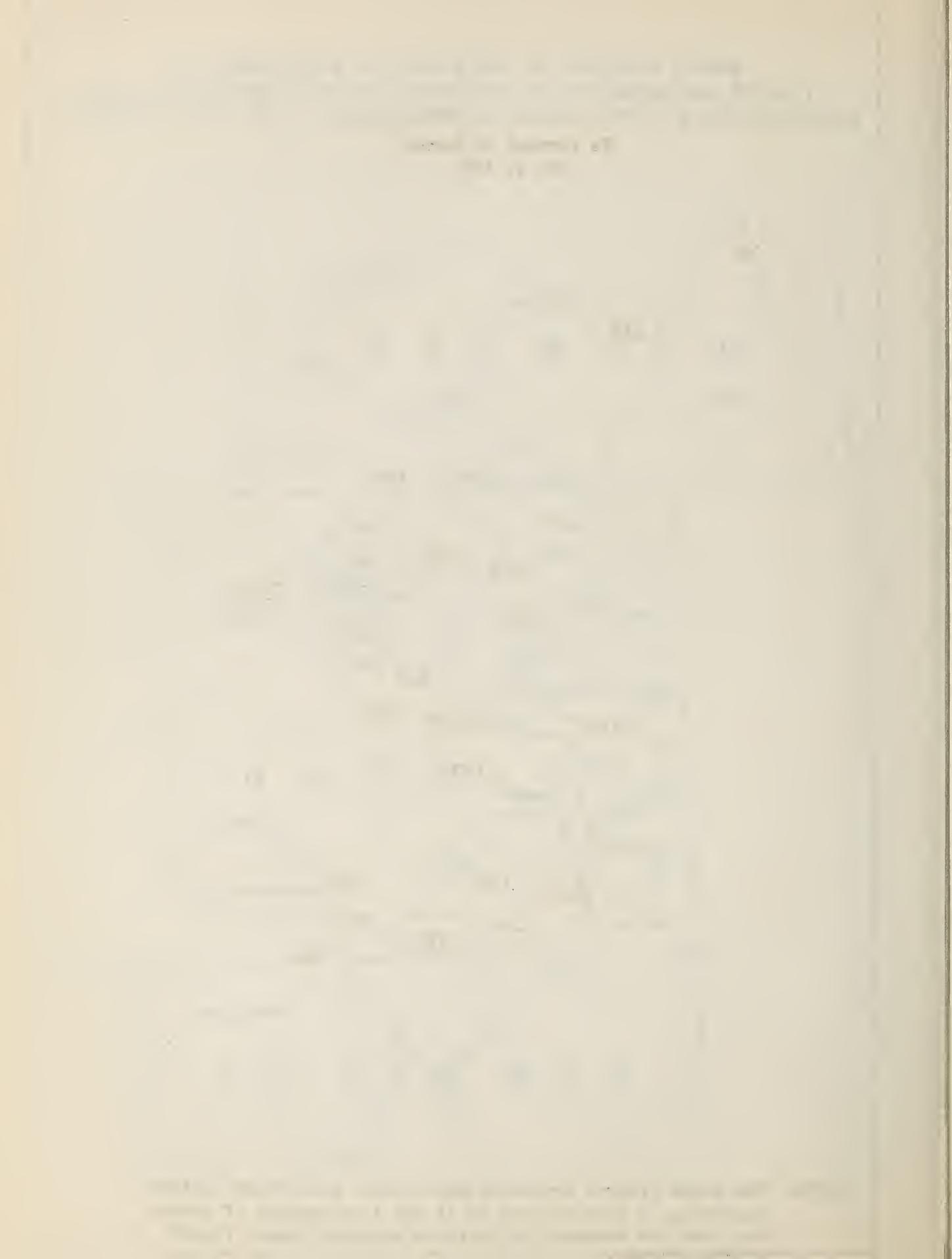


WATER CONTENT OF SNOW ON THE WATERSHEDS OF
PLATTE, ARKANSAS, UPPER COLORADO AND RIO GRANDE BASINS
BASED ON SNOW SURVEYS MADE APPROXIMATELY FIRST DAY OF MONTH

In Percent of Normal
May 1, 1952



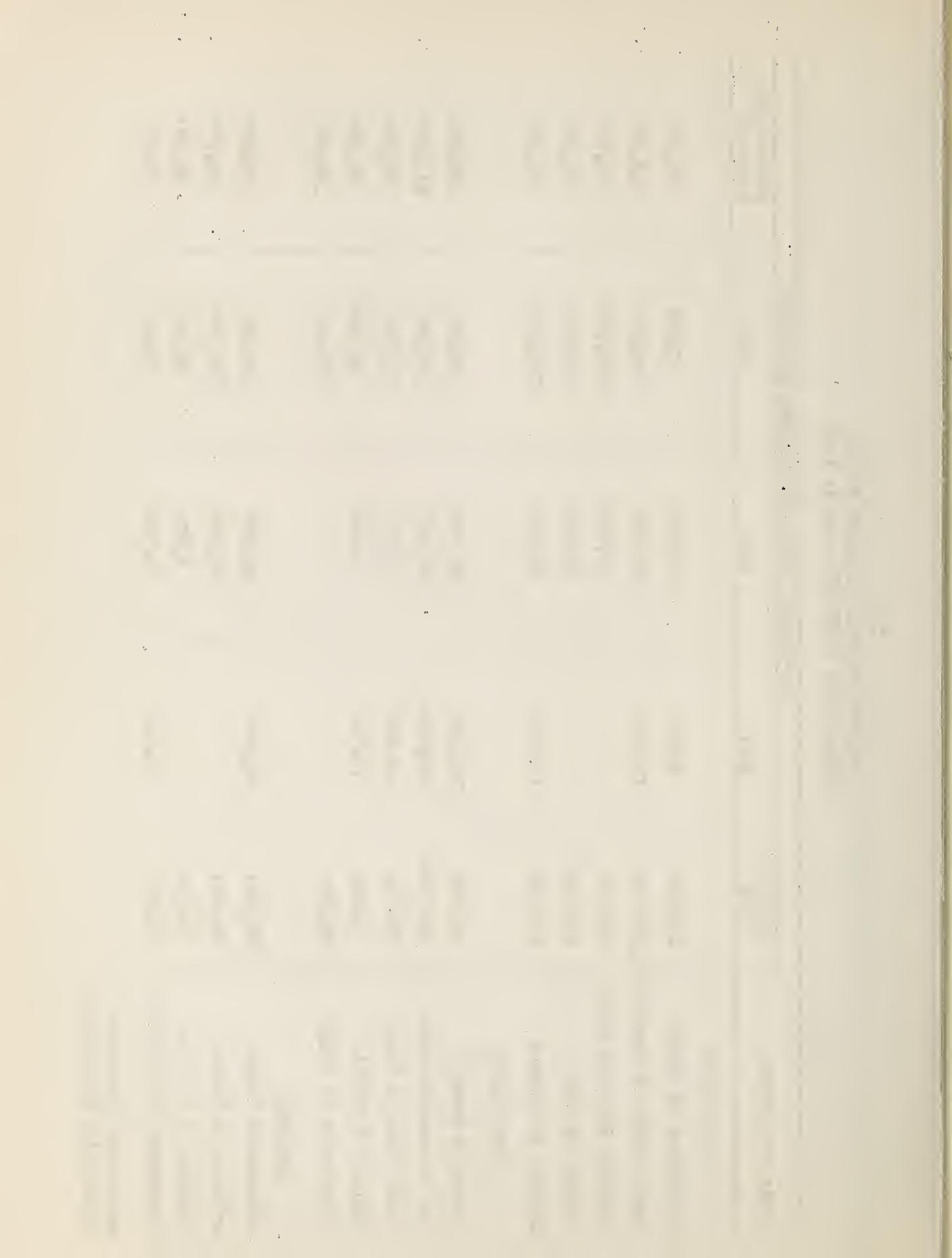
NOTE: The above figures represent approximate snow water content remaining on snow courses as of May 1 in percent of normal and does not necessarily indicate expected summer runoff of the streams.



PLATTE-ARKANSAS DRAINAGE BASINS
STREAM FLOW FORECASTS, May 1, 1952

Basin and Stream	Forecast	May-Sept., Incl., Streamflow, Acre Feet			10-year Avg. 1941-1950
		1952	1951	1950	
NORTH PLATTE					
Sweetwater at Alcova	130,000	74,000	162,000	87,000	81,000
North Platte at Saratoga	1,050,000	710,000	687,000	990,000	647,000
Medicine Bow near Hanna	185,000		94,000	161,000	116,000
Laramie at Jelm	130,000		76,000	113,000	94,000
Laramie at Lookout	130,000	117,000	67,000	124,000	84,000
SOUTH PLATTE					
Poudre at Canon	315,000	283,000	186,000	323,000	248,000
Big Thompson at Drake	140,000**	190,000**	104,000	172,000	113,000
Saint Vrain at Lyons	120,000	108,000	59,000	119,000	88,000
Boulder at Ordell	90,000	70,000	39,000	61,000	53,000
Clear Creek at Golden	225,000		225,000	185,000	145,000
ARKANSAS					
Arkansas at Salida	500,000	384,000	305,000	460,000	375,000
Arkansas at Pueblo	550,000		249,000	512,000	420,000
Cucharas at La Veta	30,000		2,500	16,000	18,000
Purgatoire at Trinidad	85,000	12,000	18,500	63,000	68,000

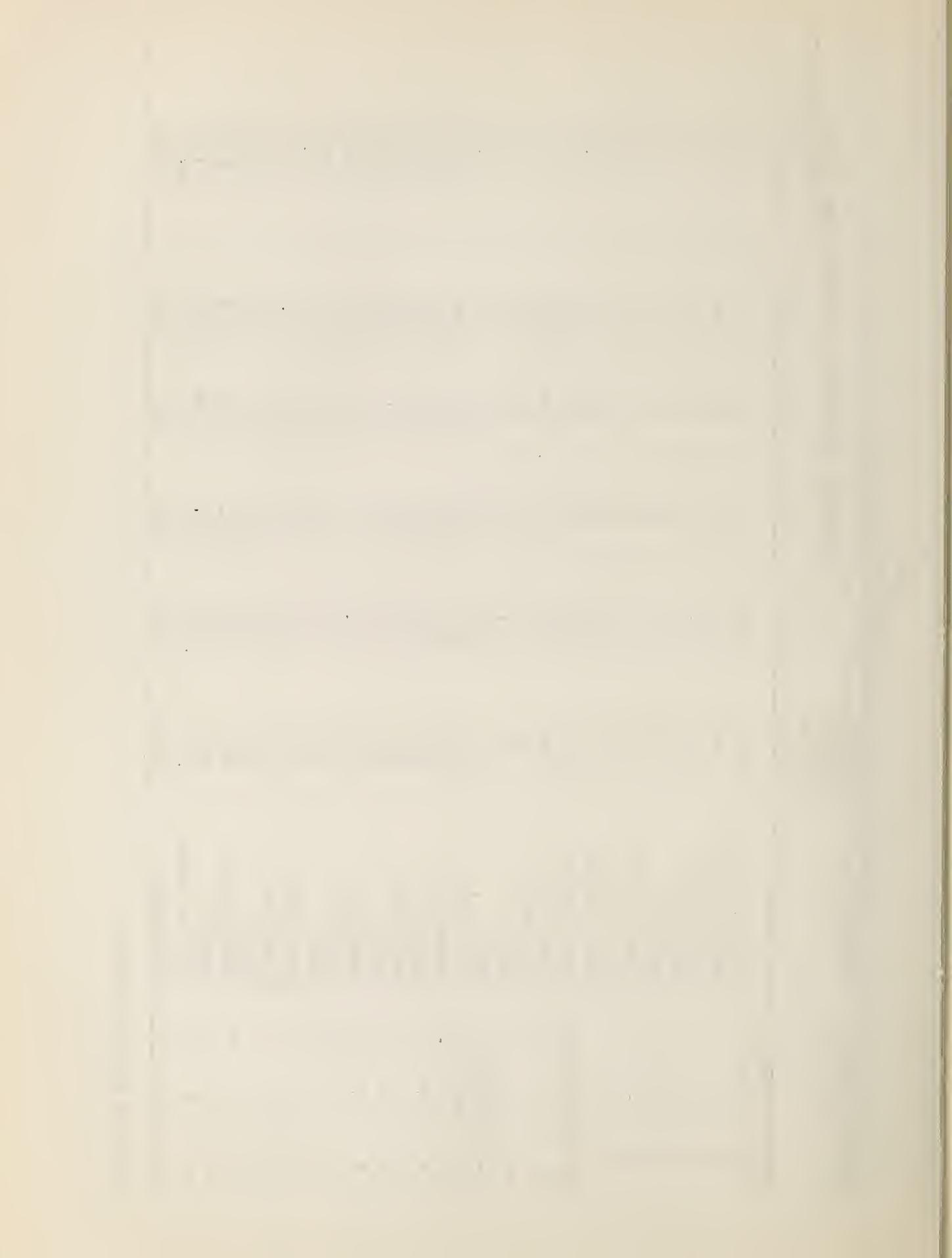
*Excluding Diversions
**Including Diversions



STATUS OF RESERVOIR STORAGE PLATTE-ARKANSAS BASIN, May 1, 1952

BASIN AND STREAM	RESERVOIR	STATUS OF RESERVOIR STORAGE APRIL 1					10-year Avg.* 1942-1951
		USABLE CAPACITY (Thous. A.F.)	1952	1951	1950	1949	
MISSOURI RIVER							
Poudre River	Windsor	18.6	13.7	11.7	11.8	11.7	13.4
"	Cache La Poudre	9.5	8.7	6.2	8.1	4.6	8.1
"	Fossil Creek	11.6	10.4	7.1	9.6	6.2	9.1
"	Terry Lake	8.2	6.2	4.2	4.5	4.6	5.3
"	Halligan	6.4	2.1	0.0	0.0	0.0	1.9
"	Chamber's Lake	8.8	2.8	1.9	2.8	2.3	2.7
"	Cobb Lake	34.3	7.0	4.9	11.3	3.8	5.9
"	Black Hollow	8.0	3.6	0.7	4.8	2.3	3.6
Big Thompson River	Lake Loveland	14.3	11.7	2.7	5.5	2.4	6.5
"	Boyd Lake	44.0	23.0	7.9	26.1	21.9	20.8
"	Lone Tree	9.2	8.9	8.7	8.2	8.0	8.4
"	Mariano	5.4	5.2	0.4	1.7	0.7	3.2
St. Vrain River	Union	12.7	12.3	3.4	9.1	6.1	3.1
South Platte River	Eleven Mile	81.9	81.9	81.9	81.9	81.9	80.9
"	Cheeseman	79.0	42.3	26.1	56.4	56.8	64.1
"	Marston	18.9	15.0	17.1	15.4	14.4	15.7
"	Barr Lake	32.2	28.5	25.0	25.3	26.9	27.0
"	Milton	24.4	19.2	10.2	17.6	15.0	16.9
"	Standley	18.5	17.4	9.6	11.0	12.5	14.4
"	Marshall	10.3	7.2	3.7	2.1	2.0	4.4
"	Antero	33.0	8.6	20.3	21.1	20.3	19.7
"	Horse Creek	20.6	14.6	10.9	15.2	12.2	12.5
"	Riverside	57.5	59.5	46.7	56.8	55.4	55.5
"	Empire	37.7	33.0	25.4	33.3	33.3	33.2
"	Jackson Lake	35.4	35.4	34.7	34.4	33.4	34.7
"	Prewitt	32.8	28.4	21.2	28.4	27.4	27.8
"	Point of Rocks	70.0	69.3	60.9	68.9	51.6	66.5
"	Julesburg	28.2	21.7	22.2	21.7	22.7	22.4

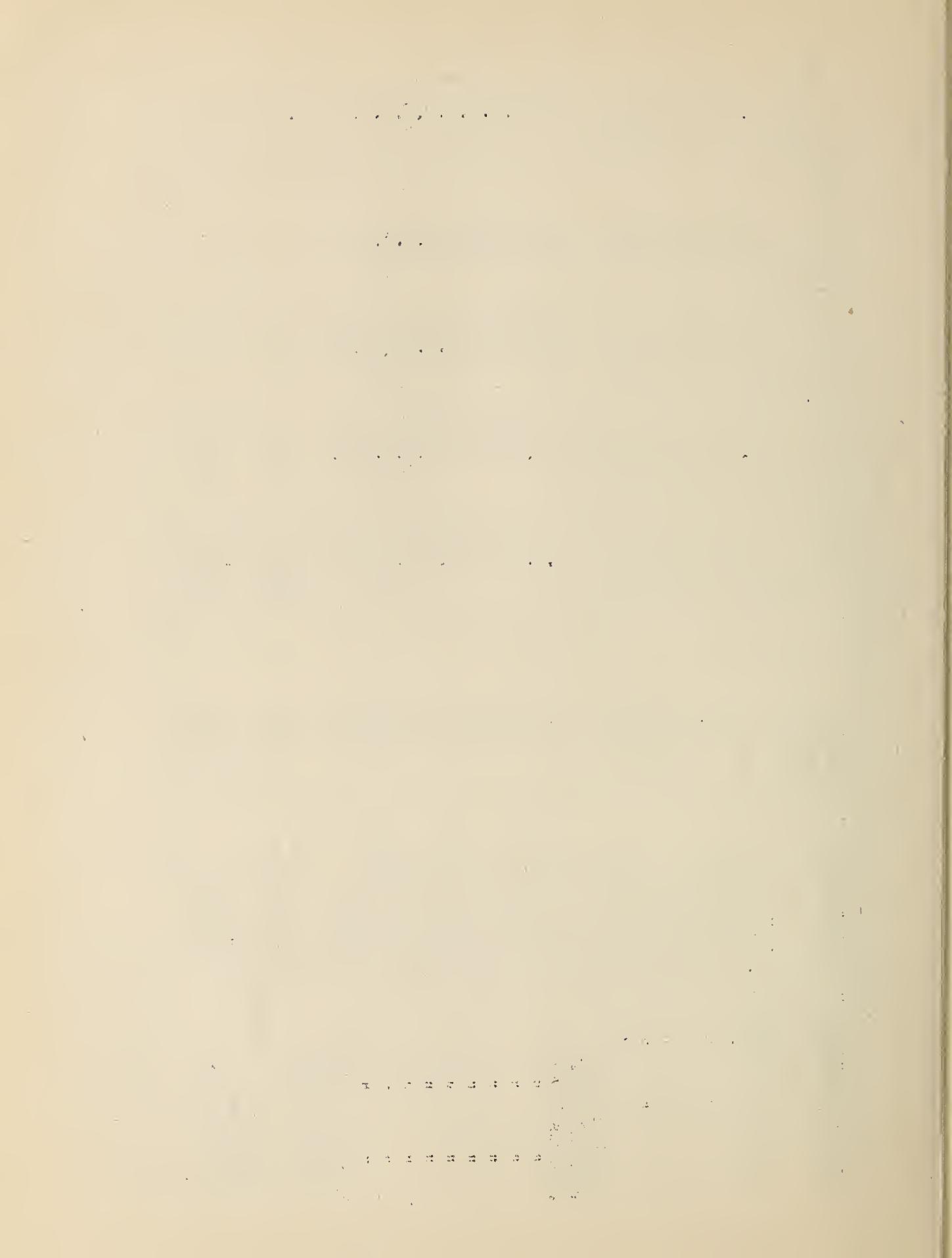
*Some for shorter periods.



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RESERVOIR STORAGE (Cont.)

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (Thous. A.F.)	THOUSANDS ACRE FEET IN STORAGE about May 1				10-year Avg.* 1942-1951
			1952	1951	1950	1949	
North Platte River	Kingsley	1996.0	1820.0	1729.5	1838.5	1732.0	1266.4
" "	Sutherland	185.0	71.5	71.8	10.4	47.8	39.2
" "	Minatare	60.8	46.6	47.6	53.0	36.6	46.8
" "	Alcova	190.0	185.2	163.0	179.2	130.2	141.6
" "	Seminoe	1025.0	601.5	546.9	601.8	549.5	447.9
" "	Guernsey	46.0	49.2	9.4	18.9	34.1	30.1
" "	Pathfinder	1045.5	1013.4	1017.2	988.4	636.6	514.5
Laramie River	Wheatland	98.2	76.9	52.0	54.9	51.0	46.0
 ARKANSAS RIVER							
Arkansas River	Twin Lakes	57.9	15.2	11.3	23.7	15.4	24.1
" "	Sugar Loaf	17.4	4.5	5.3	6.5	7.1	8.8
" "	Clear Creek	11.4	1.3	0.5	5.8	5.2	5.7
" "	Meredith	41.9	0.0	0.0	0.0	19.5	23.3
" "	Horse Creek	26.9	0.0	0.0	5.2	11.8	12.2
" "	Adobe Creek	61.6	7.9	0.0	22.0	22.5	36.7
" "	Gucharas	40.0	1.1	2.7	2.2	8.0	7.9
" "	Two Buttes	40.9	27.4	28.8	14.0	9.2	8.7
" "	John Martin	655.0	33.7	57.8	100.9	124.2	71.3
" "	Great Plains Model	150.0	22.5	25.5	63.6	84.1	80.0
Purgatoire River		15.0	0.2	0.0	0.2	1.2	4.2
CHEYENNE RIVER	Belle Fourche	198.1	143.3	103.9	141.2	145.5	147.4
Cheyenne River	Angostura	160.0	101.0	34.0	17.0	--	--
 COLORADO-BIG THOMPSON							
Blue River	Green Mt.	146.9	54.8	45.7	48.0	42.7	54.0
Colorado River	Granby	467.5	290.0	115.9	—	—	—
Poudre River	Horsetooth	143.5	75.1	5.0	—	—	—

*Some for shorter periods



PLATTE-ARKANSAS DRAINAGE BASINS

SUMMARY OF MAY 1 SNOW SURVEYS AND COMPARISON OF DATA WITH THAT OF PREVIOUS YEARS BY WATERSHEDS

WATERSHEDS	Snow Depth 1952 Inches	Snow Water Content in Inches			No. of courses in Average	Snow Density Percent	1952 Water Content in percent of	
		1952	1951	1950			1951	15 yr. avg.*
PLATTE RIVER								
Sweetwater	48.5	20.4	13.7	23.6	14.0	2	42	146
North Platte River	53.0	23.4	18.8	18.6	16.8	12	44	140
Laramie River	40.7	16.5	17.7	13.6	12.5	8	41	132
South Platte River**	19.4	6.8	6.4	3.5	3.8	5	35	180
Poudre River	34.0	14.9	16.9	11.1	11.7	6	44	127
Big Thompson River	43.0	17.0	20.0	11.7	13.8	3	40	124
St. Vrain River	33.3	14.6	13.6	7.6	8.0	2	44	185
Boulder Creek	46.4	21.1	20.2	10.9	12.2	2	45	175
Clear Creek	52.8	18.7	20.2	14.8	13.3	3	36	145
ARKANSAS RIVER	35.7	13.9	11.6	8.4	9.9	10	39	140
COLORADO-BIG THOMPSON								
Colorado River**	44.3	19.3	18.5	13.0	14.1	6	43	137
Willow Creek	32.2	12.4	9.4	8.7	7.5	3	39	165
Frazer River	38.8	15.9	15.0	10.5	10.4	3	41	153
Blue River	56.8	22.3	24.4	18.2	16.8	4	39	133

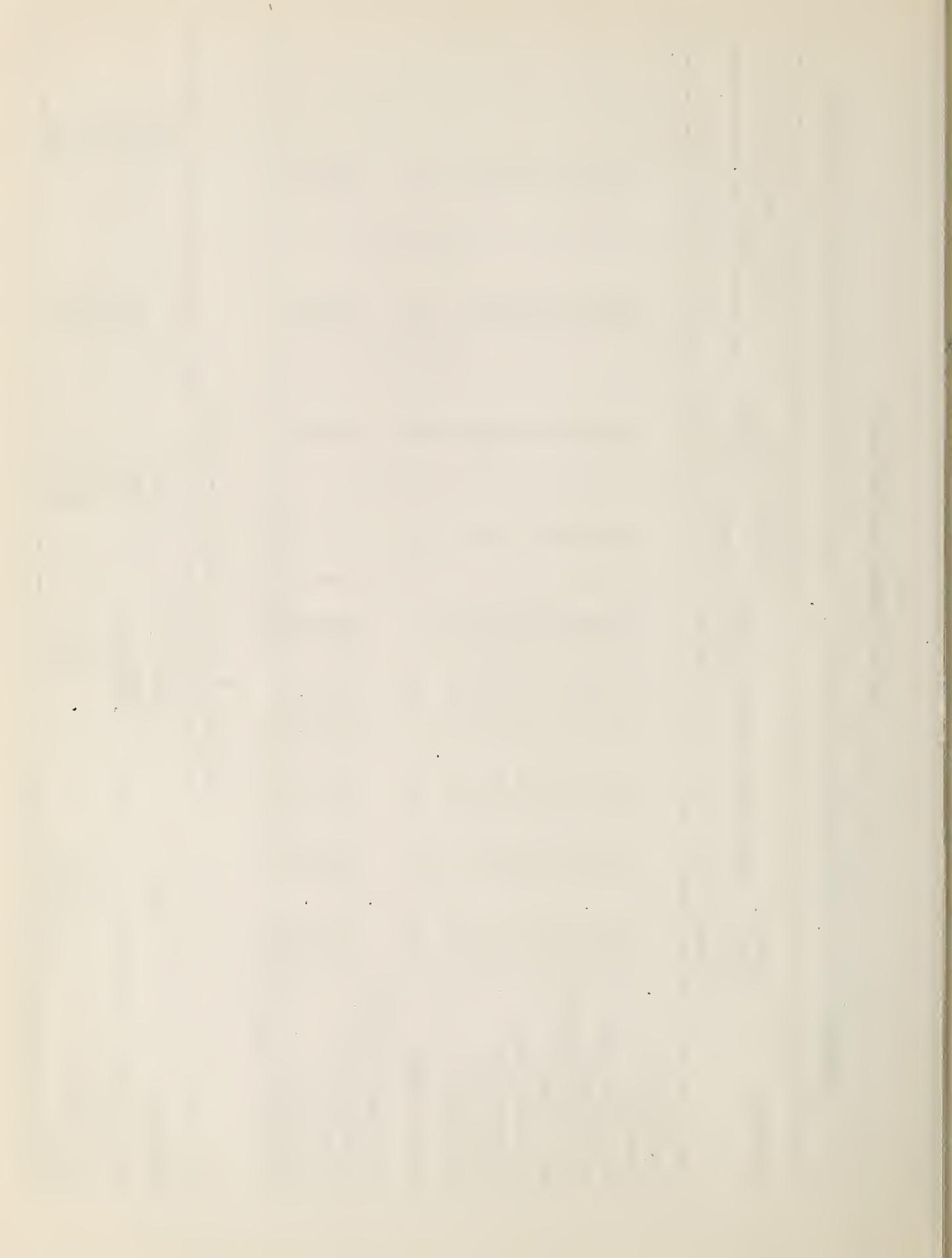
*Some for shorter periods
**Above Denver

***Above Grandy

P R E C I P I T A T I O N D A T A *

WATERSHED	STATE	Precipitation October 1 to March 31	Departure from Normal	Precipitation March	Departure from Normal	
					Inches	Inches
North Platte	Wyoming	8.35	1.15	0.88	-0.68	-0.35
South Platte	Colorado	7.87	1.24	2.37	+0.26	+0.32
Arkansas	Colorado	8.36	1.02	2.52	+0.35	+0.35

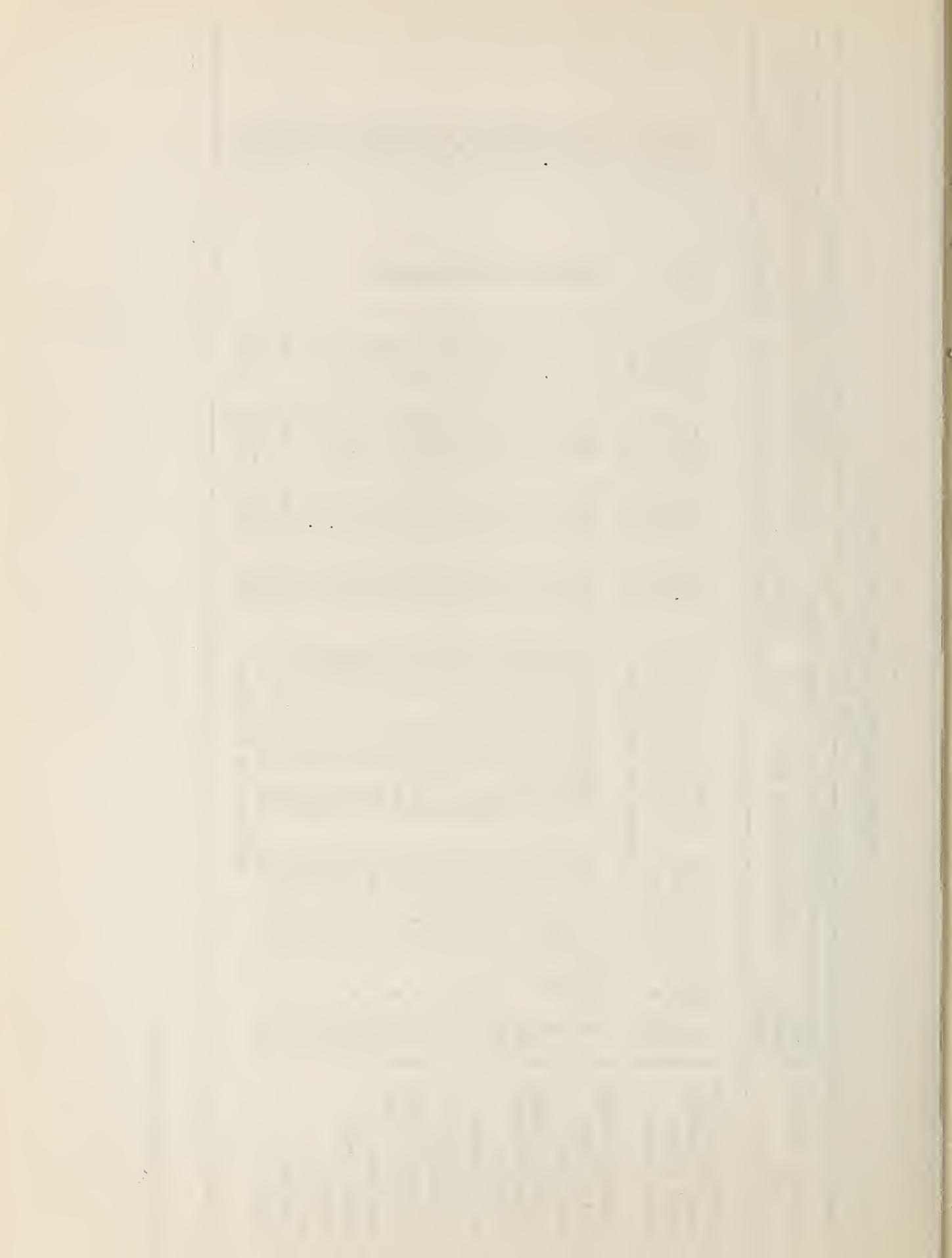
*Average selected high elevation stations



PLATTE-ARKANSAS RIVERS SNOW SURVEYS
May 1, 1952

Drainage Basin and Snow Course	No. and State	Location				Date of Survey	Snow Depth (Inches)	Snow Cover Measurements			Past Record
		Sec.	Twp.	Range	Elev.			Yrs. of Record	Av. Water Content (Inches)		
SWEETWATER RIVER											
Granier Meadows	29 Wyo.	19	30N	100W	9000	4/26	49.0	20.1	12.5	23.3	14.4
South Pass*	47 "	13	30N	101W	9000	4/26	48.0	20.7	14.9	23.8	13.5
Larson Creek	57 "	12	30N	103W	9000	4/20	29.3	10.0	---	22.6	15.5
NO. PLATTE RIVER											
Cameron Pass	1 Colo.	6N	76W	10300	5/6	60.9	29.2	26.5	24.2	23.9	23.9
Park View	7 "	78W	9200	4/28	31.6	11.4	8.9	9.1	16	7.1	7.1
Columbine Lodge	8 "	21	5N	82W	9300	4/28	58.9	30.5	28.8	20.8	19.9
Willow Cr. Pass*	62 "	1	4N	78W	9500	4/28	45.5	20.6	14.8	15.8	13.0
Northgate	136 "	7	11N	79W	8500	4/30	15.4	5.4	4.2	1.3	2.8
Bottle Creek	7 Wyo.	24	11N	85W	8200	4/24	46.9	21.1	12.8	14.9	12.8
Webber Spring	8 "	27	11N	85W	9000	4/24	63.9	27.9	17.1	19.6	16.8
Old Battle	9 "	29	11N	85W	9800	4/24	105.6	50.0	34.9	37.7	33.3
N. French Creek	37 "	27	16N	80W	10200	4/25	85.8	35.5	28.3	35.1	33.2
N. Barrett Creek	38 "	30	16N	80W	9400	4/25	64.9	25.7	21.7	22.1	21.8
Ryan Park	39 "	34	16N	81W	8400	4/25	35.0	14.0	8.4	8.5	7.2
Spring Creek	67 "	32	15N	85W	9000	4/24	52.4	22.5	14.9	21.1	16.5
Albany	68 "	18	11N	78W	9400	4/27	38.1	15.6	17.0	12.4	13.3
La Bonte	69 "	11	27N	74W	8450	4/26	0.0	0.0	0.0	0.0	0.0
Boxelder	70 "	31	30N	75W	9000	4/26	23.2	7.4	4.9	5.4	5.2
Pearl	71 "	18	12N	82W	8900	5/1	9.6	3.5	1.2	1.2	1.2
					Average for drainage		53.0	23.4	18.8	18.6	16.3

*On adjacent drainage

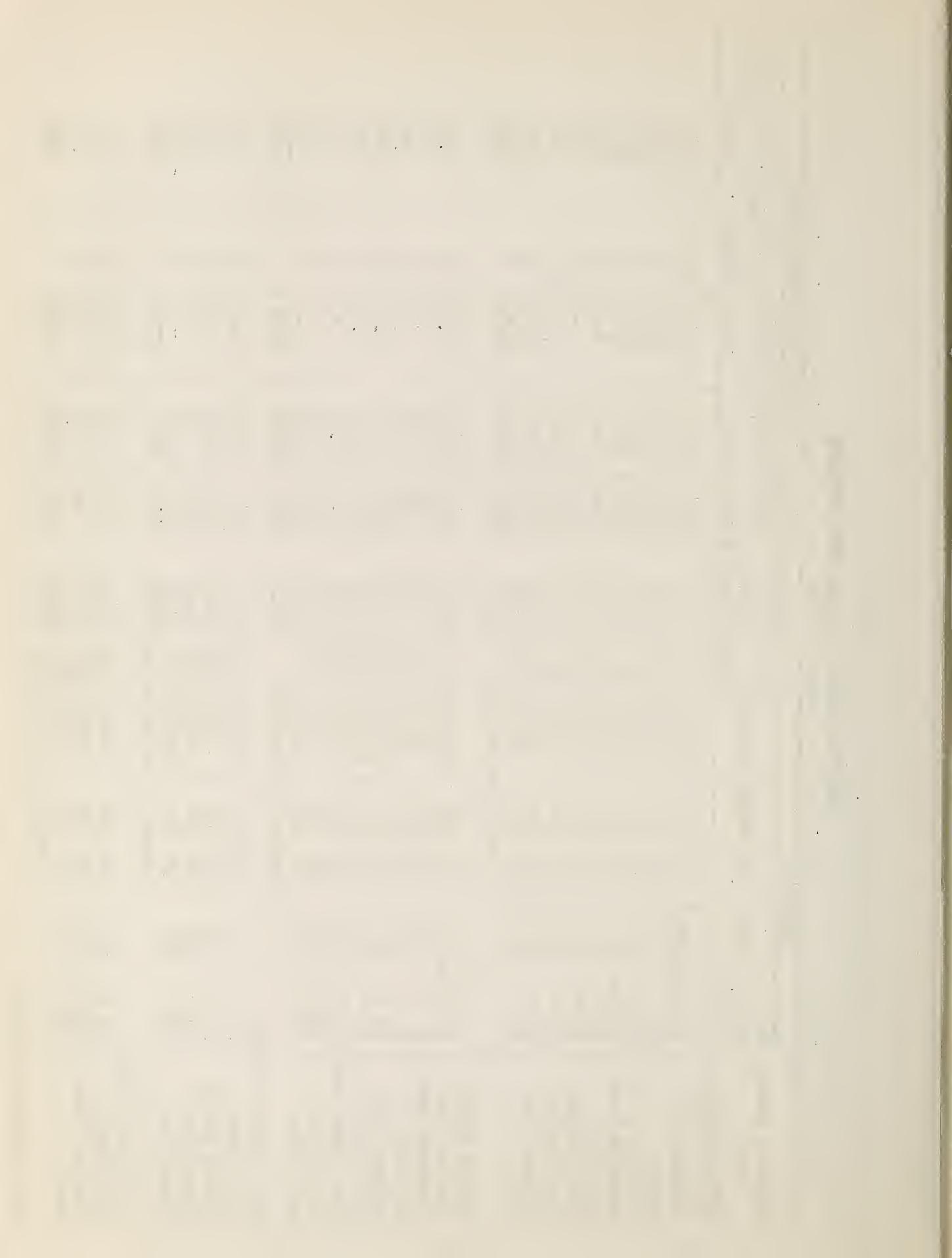


PLATTE-ARKANSAS RIVERS SNOW SURVEYS

May 1, 1952

Drainage Basin and Snow Course	No. and State	Location			Date of Survey	Snow Depth (Inches)	Snow Cover Measurements (Inches)			Yrs. of Av. Water Content (Inches)	Past Record	Av. Water Content (Inches)
		Sec.	Twp.	Range			1952	1951	1950			
LARAMIE RIVER												
Deadman Hill	50 Colo.	26	10N	75W	10200	4/29	57.2	19.9	22.7	17.4	13	17.2
Roach	88 "	5	10N	77W	9800	4/27	65.0	27.2	24.6	23.2	11	20.6
McIntyre	111 "	35	10N	76W	9100	4/27	26.2	13.5	12.8	11.4	3	11.6
Brooklyn Lake	3 Wyo.	11	16N	78W	10200	5/1	74.0	33.6	36.9	27.8	16	25.3
Fox Park	11 "	21	13N	78W	9200	5/1	16.9	6.4	10.0	4.7	16	5.6
Pole Mtn.*#2*	34 "	35	15N	72W	8700	4/29	6.9	2.6	1.1	1.1	15	2.3
Libby Lodge	35 "	29	16N	76W	8700	5/1	31.9	13.4	15.8	9.2	16	5.7
Hairpin Turn	36 "	24	16N	79W	9500	5/1	40.1	16.4	19.0	15.5	16	11.3
Albany	68 "	18	14N	78W	9400	4/27	38.1	15.6	17.0	12.4	3	13.3
			Average for drainage			4/27	16.5	17.0	13.6	12.5		
POUDRE RIVER												
Cameron Pass	1 Colo.	2	6N	76W	10300	5/6	60.9	29.2	26.5	24.2	16	23.9
Chambers Lake	2 "	6	7N	75W	9000	5/3	21.3	5.6	10.0	3.9	16	4.2
Big South	3 "	33	8N	75W	8600	5/3	1.8	0.8	1.5	1.1	16	0.6
Deadman Hill	50 "	26	10N	75W	10200	4/29	57.2	19.9	22.7	17.4	13	17.2
Lake Irene*	65 "	8	5N	75W	10600	4/29	62.0	26.2	34.5	21.0	14	24.2
Hour Glass Lake	68 "	18	7N	73W	9500	4/27	26.1	12.2	14.6	7.0	12	7.9
Red Feather	128 "	26	10N	74W	9000	4/30	18.6	6.6	8.4	3.2	3	3.9
Lost Lake	156 "	32	8N	75W	9300	5/3	31.6	14.1	13.0	--	1	--
			Average for drainage			34.0	14.9	16.9	11.1	11.7		
BIG THOMPSON RIVER												
Lake Irene	65 "	8	5N	75W	10600	4/29	62.0	26.2	34.5	21.0	14	24.2
Hidden Valley	95 "	23	5N	75W	9550	4/30	52.6	17.7	18.3	12.5	11	13.4
Deer Ridge	115 "	19	5N	73W	9050	4/30	14.4	5.0	7.4	1.5	3	3.7
Longs Peak	148 "	32	4N	73W	10500	5/1	54.6	19.7	19.0	--	1	19.0
			Average for drainage			43.0	17.0	20.1	11.7	13.8		
ST. VRAIN RIVER												
Wild Basin	41 "	24	3N	74W	10000	5/1	56.4	24.4	22.4	14.5	16	14.0
Copeland Lake	116 "	21	3N	73W	8600	5/1	10.3	4.9	4.9	0.7	3	2.1
Ward	134 "	1	1N	73W	9500	5/1	23.1	7.4	10.5	3.9	2	7.2
			Average for drainage			33.3	14.6	14.6	7.6	13.8		

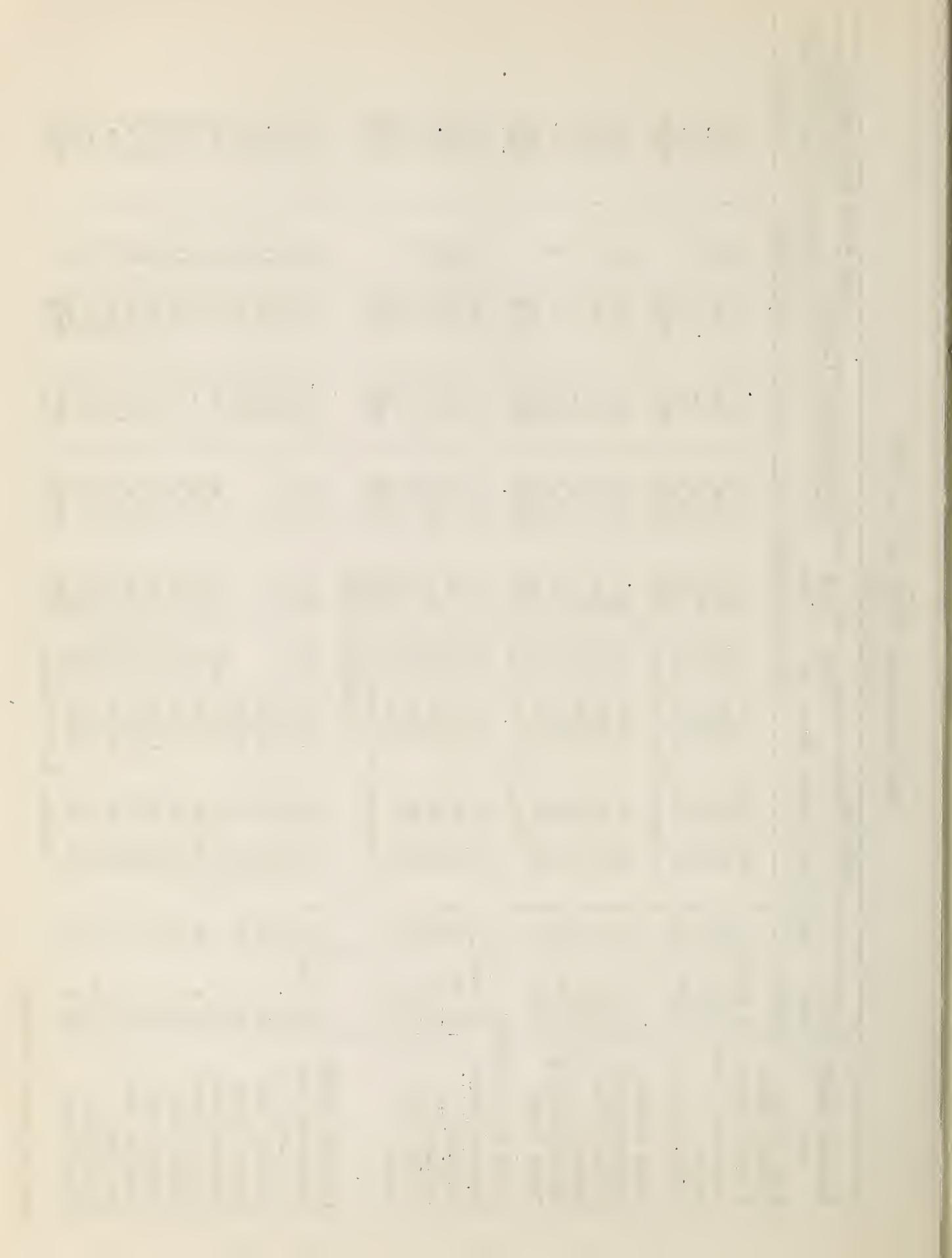
*On adjacent drainage



PLATTE-ARKANSAS RIVERS SNOW SURVEYS
May 1, 1952

Drainage Basin and Snow Course	No. and State	Location			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Snow Cover Measurements		
		Sec.	Top.	Range				1951	1950	Yrs. of Record
BOULDER CREEK	5 Colo. E. Port. Moffat T.	2 26	2S LN	74W 73W	9400 10300	5/1 4/29	14.2 78.7	5.5 36.7	3.1 18.7	16 13
University Camp	00 "	28	2S	74W	9400	5/1	29.2	12.5	6.1	1.8 22.7
Moffat	133 "	2	28	73W	10000	4/29	49.0	19.8	--	10.0
Boulder Falls	162 "	26	1N	73W				20.2	10.9	--
CLEAR CREEK					Average for drainage					12.2
Loveland Pass	61 "	27	4S	76W	10600	4/27	55.3	20.0	22.4	13.6
Grizzly Peak*	97 "	2	5S	76W	11250	4/27	66.1	26.8	27.7	19.6
Empire	117 "	21	3S	75W	9650	4/27	37.0	9.4	10.5	6.7
Berthoud Falls	137 "	16	3S	75W	10500	4/27	51.9	17.7	18.0	--
Clear Creek	159 "	27	4S	76W	11200	4/27	71.2	26.8	25.6	--
SOUTH PLATTE RIVER					Average for drainage					13.3
Hoosier Pass*	14 Colo. 15 "	13 33	8S 9S	78W 77W	11400 10000	4/30	47.7 0.0	17.7 0.0	16.7 0.0	11.3 0.1
Fairplay	83 "	14	7S	76W	10100	4/30	35.0	11.9	11.8	5.8
Jefferson Cr.	118 "	18	6S	74W	9750	4/30	9.9	3.5	3.7	1.6
Geneva Park	120 "	1	1S	77W	9200	4/29	4.8	1.1	0.0	0.0
Antero					Average for drainage			19.4	6.8	3.8
ARKANSAS RIVER										
Tennessee Pass	19 Colo. 21 "	21 22	8S 11S	80W 82W	10200 10500	4/29 5/2	36.0 36.0	13.7 12.1	11.8 11.1	8.0 6.5
Twin Lakes T.	42 "	24	48N	6E	10600					5.8 6.9
Marshall Pass	43 "	19	48N	7E	10500					10.4
Poncha Creek	72 "	37	2N	105W	10300	4/30	16.4	0.6	4.6	8.7
Whiskey Creek	74 "	22	28S	70W	9300	5/2	10.7	4.5	0.0	4.1
La Veta Pass*	78 "	23	11S	81W	9700	4/29	1.9	0.8	1.2	3.6
4-Mile Park	79 "	2	8S	79W	11400	4/26	59.6	23.0	27.7	0.4
Fremont Pass	92 "	15	49N	6E	10500	4/29	68.7	28.9	19.2	17.8
Monarch Pass	119 "	31	15S	80W	10600	4/30	48.4	18.6	11.3	18.5
St. Elmo	121 "	8	9S	81W	11100	4/24	58.2	22.1	21.4	11.7
Timberline	81 "	30	31S	69W	10000	5/5	21.1	8.7	3	21.3
Blue Lakes					Average for drainage					6.9 9.9
										14 84

*On adjacent drainage



PLATTE-ARKANSAS RIVERS SNOW SURVEYS
May 1, 1952

Drainage Basin and Snow Course	No. and State	Sec.	Twp.	Range	Elev. of Survey (Inches)	Date	Snow Depth	Water Content (Inches)	Snow Cover Measurements		
									1952	1951	1950
COLORADO RIVER**											
Cameron Pass*	1 Colo.	2	6N	76W	10300	5/6	60.9	29.2	24.5	16	23.9
Phantom Valley	12 " "	7	5N	75W	9300	4/30	27.7	11.6	6.5	16	6.1
Lulu	59 "	25	6N	76W	10200	5/1	58.6	22.4	25.1	20.3	19.8
N. Inlet Grand L.	64 "	26	4N	75W	9000	4/28	35.2	14.2	7.8	5.8	7.4
Lake Irene	65 "	8	5N	75W	10600	4/29	62.0	28.2	34.5	21.0	24.2
Grand Lake	127 "	36	4N	75W	8600	4/27	21.4	10.0	5.8	0.0	3.4
			Average for Drainage				44.3	19.3	18.5	13.0	14.1
WILLOW CREEK											
Park View*	7 Colo.	24	5N	78W	9200	4/28	31.6	11.4	8.9	9.1	7.1
Willow Creek	62 "	1	4N	78W	9500	4/28	45.5	20.6	14.8	15.8	13.0
Granby	112 "	11	2N	77W	8700	4/26	19.6	5.2	3.0	1.3	2.3
			Average for Drainage				32.2	12.4	9.4	8.7	7.5
FRAZER RIVER											
Berthoud Pass	16 Colo.	35	2S	75W	9700	4/29	54.3	21.9	20.8	12.6	14.9
Arrow	69 "	34	1S	75W	9900	4/29	34.2	13.0	11.5	7.1	7.5
Lapland	70 "	16	2S	76W	9500	5/1	28.0	12.8	12.8	11.7	8.7
Berthoud Summit-Frazer View	138 "	10	3S	75W	11300	4/27	72.5	27.3	19.7	---	19.7
			34	2S	74W	10600	4/27	46.2	15.7	13.4	13.1
			Average for drainage				38.8	15.9	15.0	10.5	10.4
BLUE RIVER											
Hoosier Pass**	14 Colo.	13	8S	78W	11400	4/30	47.7	17.7	16.7	10.4	11.3
Fremont Pass	79 "	2	8S	79W	11400	4/28	59.6	23.0	27.7	19.2	17.8
Shrine Pass	96 "	15	6S	79W	10500	4/28	54.0	22.0	25.5	20.2	18.6
Grizzly Peak	97 "	2	5S	76W	11250	4/26	66.1	26.8	27.7	23.0	19.6
Frisco	146 "	18	6S	78W	9300	4/28	14.7	5.5	10.0	---	10.0
Snake River	147 "	9	5S	76W	9700	4/26	20.7	7.4	12.7	---	12.7
Summit Ranch	158 "	8	4S	78W	10000	4/26	30.2	12.2	10.5	---	10.5
			Average for Drainage				56.8	22.3	24.4	18.2	16.8

*On adjacent drainage

**Above Granby Reservoir





Federal - State - Private
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"